

WP

Three axis welding positioners



The **WP** is a three axis welding positioner that allows the lifting and the rotation of any of work piece during welding and assembly operations. Ergonomic positioners are used during welding and assembly operations of big work pieces that are manufactured by companies of all sectors. The ergonomics, technical characteristics and functional flexibility allow you to increase productivity and efficiency by minimizing the handling of the product on which it is necessary to work on.

The lifting and inclination are obtained by hydraulic operation. The rotation is electromechanical with the help of a frequency inverter that allows the speed to be adjusted according to the operators needs. All controls are obtained from the control unit and the remote pendant control. The production includes a complete range of models of various capacities. Our range includes several optional and accessories that meet the most diverse needs of the user.

Emanuel welding positioners are built according to the customer's specific needs. Our positioners can feature for 4.0 Industry.

Emanuel WP positioners offer many advantages:

- Safety: reduces the need for dangerous movements while operating lifting equipment such as overhead cranes
- Health: welders and operators always maintain the correct posture and reduce fatigue.
- Improved production quality: allow to work at an ideal height and in correct position.
- Increased productivity: lifting and turning products without overhead cranes or ordinary cranes reduces downtimes

The sector of application in welding and assembly are the most varied:

- Truck frames and tanks
- Earth moving machines components
- Railway sector components
- Automotive and military frames and components
- Agricultural vehicles frames and components
- And many other

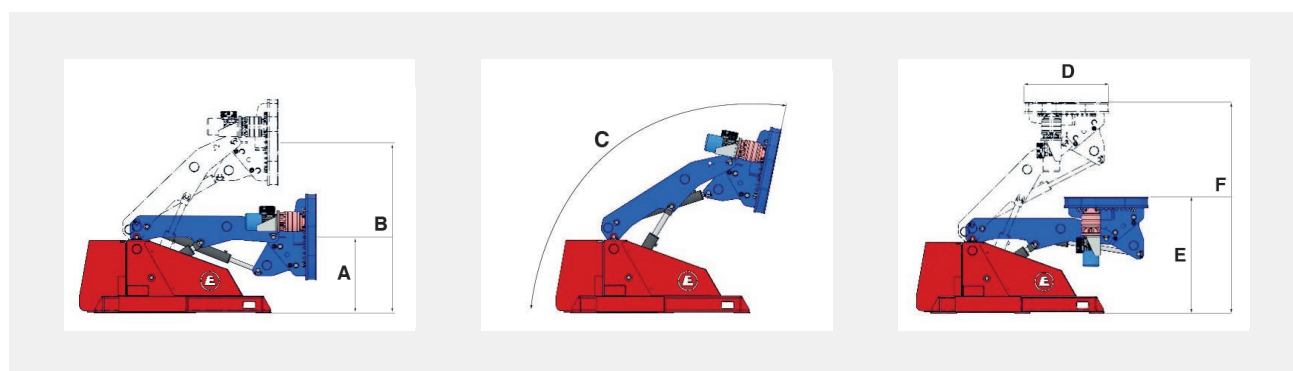


WP

THREE AXIS WELDING POSITIONERS

| | | WP15 | WP25 | WP35 | WP50 | WP75 | WP100 |
|--|----|----------------|----------------|----------------|----------------|----------------|----------------|
| Capacity (Kg) | P | 1500 | 2500 | 3500 | 5000 | 7500 | 10000 |
| Torque moment (Nm) | Mt | 3000 | 5000 | 7000 | 10000 | 15000 | 20000 |
| Bending moment (Nm) | Mf | 6000 | 10000 | 15750 | 22500 | 37500 | 50000 |
| Minimum height with vertical plate (mm) | A | 710 | 710 | 900 | 900 | 1150 | 1150 |
| Maximum height with vertical plate (mm) | B | 1600 | 1600 | 2000 | 2000 | 3020 | 3020 |
| Inclination with plate at maximum height (°) | C | 0÷90 (0÷130)** | 0÷90 (0÷130)** | 0÷90 (0÷130)** | 0÷90 (0÷130)** | 0÷90 (0÷130)** | 0÷90 (0÷130)** |
| Table diameter (mm) | D | 600 | 800 | 900 | 1000 | 1000 | 1000 |
| Minimum height with horizontal plate (mm) | E | 1110 | 1110 | 1350 | 1350 | 1700 | 1700 |
| Maximum height with horizontal plate (mm) | F | 2010 | 2010 | 2450 | 2450 | 3570 | 3570 |

** inclination achievable with specific optional



Optional

- Added inclination till 130 °
- Rotary ground: 400A-800A
- Self-learning hardware & software system
- Foot switch for left/right rotation
- Wireless safety remote control
- Safety laser scanners
- Smart interface
- 4.0 Industry

Accessories

- Self-centering chucks



Evolving Lift Solutions

EMANUEL S.R.L. S.U.

Via G. Marconi, 3 - 40011 Anzola Emilia (BO) ITALY

T +39 051 732652 - F +39 051 734001

info@emanuel.it



Emanuel is certified:
UNI-EN ISO 9001:2015